

Professional and Managerial Branch  
Water Utilities Administration Group  
General Administration Series

E.P.W.U - WATER RIGHTS ENGINEER

7/93

### *Summary*

Under direction, administer and develop the El Paso Water Utility's water rights acquisition program and provide engineering assistance with related programs.

### *Typical Duties*

Assure that leases are filed, recorded and renewed, and required payments are made to El Paso County Water Improvement District, property owners and others, which includes reporting on status of water rights acquisition and analyzing value and cost of acquiring water rights.

Identify additional water rights sources and obtain lease agreements by making presentations to property owners individually, at public meetings, or by mail.

Advise and support management in: contract negotiations regarding application, modification or acquisition of water rights and diversion permits; acquisition of properties to increase water supply; aquifer protection and management efforts. Involves: conducting hydrologic and engineering research which includes computer modeling related to water demand and distribution; estimating design parameters for water withdrawal, diversion and delivery projects; calculating time lines and water rights acquisition costs; preparing and presenting reports and exhibits of findings and results; pursuing funding, easements, required permits and federal and state approvals.

Represent the Utility on water rights and, as assigned, on water resources planning matters in meetings with consultants, staff and officials of federal, state, local, and multi-jurisdictional and multi-national agencies and with public and private groups regarding water resource management planning.

Supervise, train, review and evaluate assigned clerical personnel; enforce rules, regulations, policies and procedures.

Perform related professional duties as required.

### *Minimum Qualifications*

Training and Experience: Graduation from an accredited college or university with a Bachelor's Degree in Civil, Geological or Agricultural Engineering, or related engineering discipline and five years of professional experience in land or water rights acquisition, project management, planning or design experience including two years of progressively responsible experience in water resource management; or an equivalent combination of training and experience.

Knowledge, Skills and Abilities: Considerable knowledge of: principles, practices and procedures of water resource engineering and management; surface and ground water hydraulics and availability; project planning; and local, State and Federal water rights laws and regulations. Good knowledge of: lease agreements and contracts; fluid mechanics; computer modeling; hydrologic research; short and long range planning. Some knowledge of engineering design; real estate practices; and small office supervision.

Ability to: administer water rights lease inventory; analyze surface and ground water data estimate water supply requirements; make management presentations; assign and supervise work of assigned personnel; interpret and write specifications, proposals, and contracts; maintain effective working relationships with fellow employees, public officials, property owners, local, State and Federal agencies, and the general public.

Skill in use of personal computers involving word processing and other applications such as computer assisted design (CAD), data base management, geographical information systems (GIS) or spread sheet programs.

### *License and Certificate*

Registration as a Professional Engineer in the State of Texas.

---

Director of Personnel

---

Department Head